

WHAT IS CLAIMED

1 1. An extrudable composition comprising a polymer admixed with one or
2 more of a C₈-C₂₂ saturated fatty acid ester of a polyhydroxyl alkane wherein the
3 alkane has from 2 to 6 carbon atoms.

1 2. The extrudable composition of claim 1, wherein said C₈-C₂₂ saturated
2 fatty acid ester is selected from the group consisting of ethylene glycol distearate,
3 glycerol monostearate, pentaerythritol tetrastearate, glycerol tristearate, and
4 blends thereof.

1 3. The extrudable composition of claim 1, wherein said fatty acid ester is
2 combined with one or more C₈-C₂₂ saturated fatty acid esters of a
3 poly(oxyalkylene) polymer to form a fatty acid ester mixture.

1 4. The extrudable composition of claim 3, wherein the C₈-C₂₂ saturated
2 fatty acid esters of a poly(oxyalkylene) polymer is selected from the group
3 consisting of PEG 400 monostearate and tri-glycerol caprate/ caprylate, and
4 blends thereof.

1 5. The extrudable composition of claim 1 wherein at least 0.04 % by
2 weight of said fatty acid ester is present in said composition.

1 6. The extrudable composition of claim 1 wherein from 0.3% to 0.5% by
2 weight of said fatty acid ester is present in said composition

1 7. The extrudable composition of claim 1, wherein said composition is in
2 a pelletized concentrate form.

1 8. The extrudable composition of claim 1, wherein said polymer is linear
low density polyethylene.

1

2 9. The extrudable composition of claim 11, wherein said single site
3 catalyzed polymer is a metallocene single site catalyzed polymer.

1 10. A method of making a polymer extrudate comprising admixing to a
2 polymer a composition comprising one or more of a C₈-C₂₂ saturated fatty acid
3 ester of a polyhydroxyl alkane wherein the alkane has from 2 to 6 carbon atoms
4 and melt extruding the admixture.

1 11. The method of claim 10, wherein said fatty acid ester is selected from
2 the group consisting of ethylene glycol distearate, glycerol monostearate,
3 pentaerythritol tetrastearate, glycerol tristearate, and blends thereof.

1 12. The method of claim 10, wherein said fatty acid ester is combined with
2 one or more C₈-C₂₂ saturated fatty acid esters of a poly(oxyalkylene) polymer to
3 form a fatty acid ester mixture and is admixed with the polymer.

1 13. The method of claim 12, wherein the C₈-C₂₂ saturated fatty acid esters
2 of a poly(oxyalkylene) polymer is selected from the group consisting of PEG 400
3 monostearate and tri-glycerol caprate/ caprylate, and blends thereof.

1 14. The method of claim 10, wherein at least 0.04% by weight of said fatty
2 acid ester is added to said polymer.

1 15. The method of claim 10, wherein about 0.3% to 0.5% by weight of
2 said fatty acid ester is added to said polymer.

1 16. The method of claim 12 wherein from 0.3% to 0.5% by weight of said
2 fatty acid ester mixture is present in said polymer.

1 17. The method of claim 10, wherein said polymer is linear low density
2 polyethylene.

1 18. The method of claim 10, wherein said polymer is a single site
2 catalyzed polymer.

1 19. The method of claim 18, wherein said single site catalyzed polymer is
2 a metallocene single site catalyzed polymer.

1 20. An extruded composition comprising a polymer with one or more C₈-C₂₂
2 saturated fatty acid ester of a polyhydroxyl alkane wherein the alkane has from 2
3 to 6 carbon atoms.

1 21. The extruded composition of claim 20, wherein said fatty acid ester is
2 selected from the group consisting of ethylene glycol distearate, glycerol
3 monostearate, pentaerythritol tetrastearate, glycerol tristearate, and blends
4 thereof.

1 22. The extruded composition of claim 20, wherein said fatty acid ester is
2 combined with one or more C₈-C₂₂ saturated fatty acid esters of a
3 poly(oxyalkylene) polymer to form a fatty acid ester mixture.

1 23. The extruded composition of claim 22, wherein the C₈-C₂₂ saturated
2 fatty acid esters of a poly(oxyalkylene) polymer is selected from the group
3 consisting of PEG 400 monostearate and tri-glycerol caprate/ caprylate, and
4 blends thereof.

1 24. The extruded composition of claim 20, wherein at least 0.04 % by
2 weight of said fatty acid ester is present in said composition.

1 25. The extruded composition of claim 20, wherein about 0.3% to 0.5% by
2 weight of said fatty acid ester is present in said composition.

1 26. The extruded composition of claim 20, wherein said composition is in
2 pelletized polymer concentrate form.

1 27. The extruded composition of claim 20, wherein said polymer is linear
2 low density polyethylene.

1 28. The extruded composition of claim 20, wherein said single site
2 catalyzed polymer is a metallocene single site catalyzed polymer.

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